

RESPONSE UNDER 37 C.F.R. § 1.116

EXPEDITED PROCEDURE – Art Unit 3727

Attorney Docket No. 040898004US

Amendments to the Claims:

Please cancel claims 1, 14, 73 and 76-80; and please amend claims 2-4, 6, 8, 10, 12, 13, 15, 16, 18, 19, 21, 22, 81-84 and 99-102 as follows. Following is a complete listing of the claims pending in the application, as amended:

1. (Cancelled)

2. (Currently Amended) The corrugated container body of claim 1-3 wherein the outer tube has eight outer side panels.

3. (Currently Amended) ~~The corrugated container body of claim 1A~~ corrugated container body comprising:

an outer tube having at least four outer side panels foldably connected to each other, at least two of the outer side panels being foldably connected to each other along an outer corner portion that includes a first score line offset from a second score line by a first offset distance, wherein each of the four outer side panels includes at least first and second plies of corrugated paperboard, and wherein the corrugated paperboard in each of the first and second plies is compressed along the first score line and the second score line to reduce the material thickness of each of the first and second plies along the first score line and the second score line; and

an inner tube having at least four inner side panels foldably connected to each other, at least two of the inner side panels being foldably connected to each other along an inner corner portion that includes a third score line offset from a fourth score line by a second offset distance, wherein each of the four inner side panels includes at least third and fourth plies of corrugated paperboard, wherein the corrugated paperboard in each of the third and fourth plies is compressed along the third score line and the fourth score line to reduce the material thickness of each of the third and fourth plies along the third score line and the fourth score line, and

RESPONSE UNDER 37 C.F.R. § 1.116

EXPEDITED PROCEDURE – Art Unit 3727

Attorney Docket No. 040898004US

wherein the inner tube is sleeved within the outer tube with each of the inner side panels being directly adjacent to an outer side panel in one-to-one correspondence, wherein the first offset distance is greater than the second offset distance.

4. (Currently Amended) The corrugated container body of claim 4 wherein each of the at least four outer side panels include first and second plies and each of the at least four inner side panels include third, fourth, and fifth plies.

5. (Original) The corrugated container body of claim 4 wherein the first, second, third, fourth and fifth plies are double-wall corrugated paperboard.

6. (Currently Amended) The corrugated body of claim 4 wherein the outer tube includes a top portion and a bottom portion and further includes at least four bottom flaps foldably extending from adjacent outer side panels in one-to-one correspondence with the outer side panels.

7. (Original) The corrugated container body of claim 6 wherein each of the at least four outer side panels includes first and second plies and the at least four bottom flaps foldably extend from the first ply, the first ply being outboard of the second ply.

8. (Currently Amended) The corrugated container body of claim 4 wherein each of the at least four outer side panels has an outer side panel thickness and each of the at least four inner side panels has an inner side panel thickness, wherein the first offset distance is determined based on the outer side panel thickness and the inner side panel thickness, and wherein the second offset distance is determined based on the inner side panel thickness.

9. (Original) The corrugated container body of claim 8 wherein the first offset distance is at least approximately equal to  $0.30 \times (\text{thickness of the outer tube}) + 2 \times$

**RESPONSE UNDER 37 C.F.R. § 1.116**

**EXPEDITED PROCEDURE – Art Unit 3727**

Attorney Docket No. 040898004US

(thickness of the inner tube) and the second offset distance is at least approximately equal to  $1.5 \times$  (thickness of the inner tube).

10. (Currently Amended) The corrugated container body of claim 4-3 wherein each of the at least four outer side panels includes first and second plies and each of the at least four inner side panels includes third, fourth, and fifth plies, wherein the first, second, third, fourth and fifth plies are double-wall corrugated paperboard, and wherein the first offset distance is between 2.0 and 3.0 inches and the second offset distance is between 1.25 and 2.25 inches.

11. (Original) The corrugated container body of claim 10 wherein the first offset distance is between 2.3 and 2.7 inches and the second offset distance is between 1.5 and 2.0 inches.

12. (Currently Amended) The corrugated container body of claim 4-3 wherein the inner tube has an inner tube inner surface and an inner tube outer surface and the outer tube has an outer tube inner surface and an outer tube outer surface, and wherein the first and second score lines are formed on the outer tube inner surface and the third and fourth score lines are formed on the inner tube inner surface.

13. (Currently Amended) The corrugated container body of claim 4-3 wherein the inner tube has an inner tube inner surface and an inner tube outer surface and the outer tube has an outer tube inner surface and an outer tube outer surface, and wherein the first and second score lines are formed on the outer tube outer surface and the third and fourth score lines are formed on the inner tube outer surface.

14. (Cancelled)

15. (Currently Amended) ~~The corrugated container structure of claim 14A~~  
foldable corrugated container structure comprising:

an outer laminate forming at least a first outer panel and a second outer panel,  
the outer laminate having a first score line offset from a second score line  
by a first offset distance, the first and second score lines being positioned  
between the first and second outer panels, wherein each of the first and  
second outer panels includes at least first and second plies of corrugated  
paperboard, and wherein the corrugated paperboard in each of the first  
and second plies is compressed along the first score line and the second  
score line to reduce the material thickness of each of the first and second  
plies along the first score line and the second score line; and

an inner laminate forming at least a first inner panel and a second inner panel,  
the inner laminate having a third score line offset from a fourth score line  
by a second offset distance, the third and fourth score lines being  
positioned between the first and second inner panels, wherein each of the  
first and second inner panels includes at least third and fourth plies of  
corrugated paperboard, wherein the corrugated paperboard in each of the  
third and fourth plies is compressed along the third score line and the  
fourth score line to reduce the material thickness of each of the third and  
fourth plies along the third score line and the fourth score line, and  
wherein the inner laminate is at least partially bonded to the outer laminate  
with the first inner panel positioned adjacent to the first outer panel to form  
a first wall and the second inner panel positioned adjacent to the second  
outer panel to form a second wall, wherein the first and second score lines  
of the outer laminate and the third and fourth score lines of the inner  
laminate together define a corner portion, and wherein the first and

second walls are foldable toward each other about the corner portion,  
wherein the first offset distance is greater than the second offset distance.

16. (Currently Amended) A foldable corrugated container structure comprising:

an outer laminate that includes first and second plies, the outer laminate forming at least a first outer panel and a second outer panel, the outer laminate having a first score line offset from a second score line by a first offset distance, the first and second score lines being positioned between the first and second outer panels; and

an inner laminate that includes third, fourth and fifth plies, the inner laminate forming at least a first inner panel and a second inner panel, the inner laminate having a third score line offset from a fourth score line by a second offset distance that is less than the first offset distance, the third and fourth score lines being positioned between the first and second inner panels, wherein the inner laminate is at least partially bonded to the outer laminate with the first inner panel positioned adjacent to the first outer panel to form a first wall and the second inner panel positioned adjacent to the second outer panel to form a second wall, wherein the first and second score lines of the outer laminate and the third and fourth score lines of the inner laminate together define a corner portion, and wherein the first and second walls are foldable toward each other about the corner portion.

17. (Original) The corrugated container structure of claim 16 wherein the first, second, third, fourth and fifth plies are double-wall corrugated paperboard.

18. (Currently Amended) The corrugated container structure of claim 14-15 wherein the outer laminate includes first and second plies and the inner laminate includes third and fourth plies, the first, second, third and fourth plies being triple-wall corrugated paperboard.

**RESPONSE UNDER 37 C.F.R. § 1.116**

**EXPEDITED PROCEDURE – Art Unit 3727**

Attorney Docket No. 040898004US

19. (Currently Amended) The corrugated container structure of claim 14–15 wherein the outer laminate has an outer laminate thickness and the inner laminate has an inner laminate thickness, wherein the first offset distance is determined based on the outer laminate thickness and the inner laminate thickness and the second offset distance is determined based on the inner laminate thickness.

20. (Original) The corrugated container structure of claim 19 wherein the first offset distance is at least approximately equal to  $0.30 \times$  (thickness of the outer laminate) + 2 x (thickness of the inner laminate) and the second offset distance is at least approximately equal to  $1.5 \times$  (thickness of the inner laminate).

21. (Currently Amended) The corrugated container structure of claim 14–15 wherein the inner laminate has an inner laminate inner surface and an inner laminate outer surface and the outer laminate has an outer laminate inner surface and an outer laminate outer surface, and wherein the first and second score lines are formed on the outer laminate inner surface and the third and fourth score lines are formed on the inner laminate inner surface.

22. (Currently Amended) The corrugated container structure of claim 14–15 wherein the inner laminate has an inner laminate inner surface and an inner laminate outer surface and the outer laminate has an outer laminate inner surface and an outer laminate outer surface, and wherein the first and second score lines are formed on the outer laminate outer surface and the third and fourth score lines are formed on the inner laminate outer surface.

23–80. (Cancelled)

81. (Currently Amended) ~~The method of claim 80A method for producing a foldable corrugated container structure, the method comprising:~~

scoring an outer laminate having at least first and second plies of corrugated paperboard to produce a first score line at which the material thickness of the corrugated paperboard in each of the first and second plies is reduced;  
scoring the outer laminate to produce a second score line at which the material thickness of the corrugated paperboard in each of the first and second plies is reduced, wherein the second score line is offset from the first score line by a first offset distance, the first and second score lines defining a first outer panel and a second outer panel of the outer laminate;  
scoring an inner laminate to produce a third score line;  
scoring the inner laminate to produce a fourth score line offset from the third score line by a second offset distance, wherein scoring the inner laminate includes scoring the inner laminate to produce the fourth score line offset from the third score line by the second offset distance, the second offset distance being less than the first offset distance, the third and fourth score lines defining a first inner panel and a second inner panel of the inner laminate;  
positioning the first inner panel of the inner laminate adjacent to the first outer panel of the outer laminate to form a first wall; and  
positioning the second inner panel of the inner laminate adjacent to the second outer panel of the outer laminate to form a second wall, wherein the first and second score lines of the outer laminate and the third and fourth score lines of the inner laminate together define a corner portion, and wherein the first and second walls are foldable toward each other about the corner portion.

82. (Currently Amended) ~~The method of claim 80-81 wherein providing the outer laminate includes providing the outer laminate having first and second plies, and~~

~~wherein providing the inner laminate includes providing the inner laminate having third, fourth and fifth plies.~~

83. (Currently Amended) The method of claim 80-81 wherein ~~providing the outer laminate includes providing the outer laminate having first and second plies of double-wall corrugated paperboard, and wherein providing the inner laminate includes providing the inner laminate having third, fourth and fifth plies of double-wall corrugated paperboard.~~

84. (Currently Amended) The method of claim 80-81 wherein ~~providing the outer laminate includes providing the outer laminate having an outer laminate inner surface and an outer laminate outer surface, wherein scoring the outer laminate includes scoring the outer laminate to produce the first and second score lines on the outer laminate inner surface, wherein providing the inner laminate includes providing the inner laminate having an inner laminate inner surface and an inner laminate outer surface, and wherein scoring the inner laminate includes scoring the inner laminate to produce the third and fourth score lines on the inner laminate inner surface.~~

85-98. (Cancelled)

99. (Currently Amended) The corrugated container body of claim 4-3 wherein each of the first and second plies of corrugated paperboard have a first thickness away from the first and second score lines, and wherein each of the first and second plies of corrugated paperboard have a second thickness less than the first thickness at the first and second score lines.

100. (Currently Amended) ~~The corrugated container body of claim 1A~~  
corrugated container body comprising:

an outer tube having at least four outer side panels foldably connected to each other, at least two of the outer side panels being foldably connected to

each other along an outer corner portion that includes a first score line offset from a second score line by a first offset distance, wherein each of the four outer side panels includes at least first and second plies of corrugated paperboard, and wherein the corrugated paperboard in each of the first and second plies is compressed along the first score line and the second score line to reduce the material thickness of each of the first and second plies along the first score line and the second score line; and

an inner tube having at least four inner side panels foldably connected to each other, at least two of the inner side panels being foldably connected to each other along an inner corner portion that includes a third score line offset from a fourth score line by a second offset distance, wherein each of the four inner side panels includes at least third and fourth plies of corrugated paperboard, wherein the corrugated paperboard in each of the third and fourth plies is compressed along the third score line and the fourth score line to reduce the material thickness of each of the third and fourth plies along the third score line and the fourth score line, and wherein the inner tube is sleeved within the outer tube with each of the inner side panels being directly adjacent to an outer side panel in one-to-one correspondence, wherein the inner tube is adhesively bonded to the outer tube in the absence of adhesive between the outer corner portion of the outer tube and the inner corner portion of the inner tube.

101. (Currently Amended) The corrugated container body of claim 1-3 wherein the inner corner portion is spaced apart from the outer corner portion to form a gap between the inner corner portion and the outer corner portion when the inner tube is sleeved within the outer tube.

102. (Currently Amended) The corrugated container body of claim 1-3 wherein the first offset distance between the first and second score lines is at least 1.3 times greater than the second offset distance between the third and fourth score lines.

**RESPONSE UNDER 37 C.F.R. § 1.116**

**EXPEDITED PROCEDURE – Art Unit 3727**

Attorney Docket No. 040898004US

103. (Previously presented) A corrugated container body comprising:

an outer tube having at least four outer side panels foldably connected to each other, at least two of the outer side panels being foldably connected to each other along an outer corner portion that includes a first score line offset from a second score line by a first offset distance, wherein each of the four outer side panels includes at least first and second plies of double-wall corrugated paperboard, and wherein the double-wall corrugated paperboard in each of the first and second plies is compressed along the first score line and the second score line to reduce the material thickness of each of the first and second plies along the first score line and the second score line; and

an inner tube having at least four inner side panels foldably connected to each other, at least two of the inner side panels being foldably connected to each other along an inner corner portion that includes a third score line offset from a fourth score line by a second offset distance, wherein each of the four inner side panels includes at least third and fourth plies of double-wall corrugated paperboard, wherein the double-wall corrugated paperboard in each of the third and fourth plies is compressed along the third score line and the fourth score line to reduce the material thickness of each of the third and fourth plies along the third score line and the fourth score line, and wherein the inner tube is sleeved within the outer tube and adhesively bonded to the outer tube in the absence of adhesive between the outer corner portion of the outer tube and the inner corner portion of the inner tube.

104. (Previously presented) The corrugated container body of claim 103 wherein the inner corner portion is spaced apart from the outer corner portion to form a gap between the inner corner portion and the outer corner portion when the inner tube is sleeved within the outer tube.

**RESPONSE UNDER 37 C.F.R. § 1.116**

**EXPEDITED PROCEDURE – Art Unit 3727**

Attorney Docket No. 040898004US

105. (Previously presented) The corrugated container body of claim 103 wherein each of the four inner side panels includes at least third, fourth, and fifth plies of double-wall corrugated paperboard, wherein the double-wall corrugated paperboard in each of the third, fourth, and fifth plies is compressed along the third and fourth score lines to reduce the material thickness of each of the third, fourth, and fifth plies along the third and fourth score lines.